

TOSHIBA

TECHNO RAINBOW TR2010E

Full Color LED Display

Purpose designed to create maximum impact indoors and outdoors

10 mm pixels for brilliant high-resolution images and vivid color

* Portable * Modular * Lightweight * Fast-build * Simplified cabling * Easy maintenance * Versatile *

The high-performance display for the 21st century



Module Specification

LED Pixels	10 mm pitch - 3 cylinder-type LEDs per pixel (R1,G1,B1)
Brightness	5,000 cd/m ²
Display Colors	approximately 1 billion colors
Image Depth	approximately 1,024 steps
Viewing Angle	left to right 120°, up 10°, down 30°
Pixel Number	64 (H) x 48 (V)
Display Size	640 x 480 mm (25" x 19") = 0.31 m ² (3.3 ft ²) (approx. 31 inch diagonally)
Weight	35 kg (77 lb)
Power Consumption	260 Watt (100% light output); 90 Watt (25% light output)
Power Supply	AC100-240V single phase

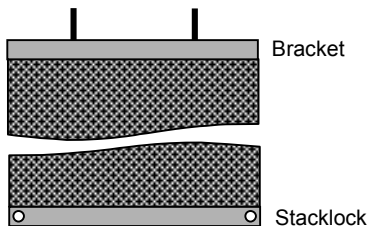


Possible Screen Size Examples

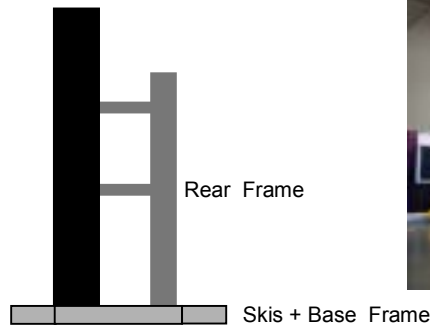
Inch Diagonal	Dimension		Pixels H×V	Screen Area		Number of Modules H × V	Aspect Ratio	Power Consumption Max (W) / Average (W)	Weight † kg (lb)
	H × V (mm)	H × V (ft)		(m²)	(ft²)				
126	2,560 × 1,920	8.4 × 6.3	256 × 192	4.92	53.2	4 × 4 = 16	4:3	4,160 / 1,440	560 (1,234)
160	3,200 × 2,400	10.5 × 7.9	320 × 240	7.68	83.1	5 × 5 = 25	4:3	6,500 / 2,250	875 (1,929)
190	3,840 × 2,880	12.6 × 9.4	384 × 288	11.06	119.7	6 × 6 = 36	4:3	9,360 / 3,240	1,260 (2,777)
220	4,480 × 3,360	14.7 × 11.0	448 × 336	15.05	162.9	7 × 7 = 49	4:3	12,740 / 4,410	1,715 (3,780)
250	5,120 × 3,840	16.8 × 12.6	512 × 384	19.66	212.7	8 × 8 = 64	4:3	16,640 / 5,760	2,240 (4,938)
280	5,760 × 4,320	18.9 × 14.2	576 × 432	24.88	269.3	9 × 9 = 81	4:3	21,060 / 7,290	2,835 (6,250)
315	6,400 × 4,800	21.0 × 15.7	640 × 480	30.72	332.4	10 × 10 = 100	4:3	26,000 / 9,000	3,500 (7,716)
150	3,200 × 1,920	10.5 × 6.3	320 × 192	6.14	66.5	5 × 4 = 20	16:9	5,200 / 1,800	700 (1,543)
180	3,840 × 2,400	12.6 × 7.9	384 × 240	9.22	99.7	6 × 5 = 30	16:9	7,800 / 2,700	1,050 (2,315)
200	4,480 × 2,400	14.7 × 7.9	448 × 240	10.75	116.3	7 × 5 = 35	16:9	9,100 / 3,150	1,225 (2,700)
230	5,120 × 2,880	16.8 × 9.4	512 × 288	14.75	159.6	8 × 6 = 48	16:9	12,480 / 4,320	1,680 (3,703)
260	5,760 × 3,360	18.9 × 11.0	576 × 336	19.35	209.4	9 × 7 = 63	16:9	16,380 / 5,670	2,205 (4,861)
295	6,400 × 3,840	21.0 × 12.6	640 × 384	24.58	265.9	10 × 8 = 80	16:9	20,800 / 8,160	2,800 (6,173)

† without accessories

Hanging Set Up



Standing Set Up



Specification of Image Processing System



Switch Controller -TRSC1010

LED Controller -TRLC1000

Visual Controller -TRVC1000

Input Signal	NTSC, PAL, RGB (analog), Y/C
Output Signal	2 line (TR-link original) VGA dot (640 x 480 dot)
Adjust Switch	Screen ON/OFF, Brightness Test PT, Input Signal Color Preset
Dimension	430 (W) x 200 (H) x 380 (D) mm 17"(W) x 8"(H) x 15"(D)
Power Supply	AC100V-240V single phase

Picture Control Software -TR1000



[http:// technorainbow.com](http://technorainbow.com)

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